

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Joe W. GRAY et al.)
Application No.: 08/342,028) Group Art Unit: 1807
Filed: November 16, 1994) Examiner: Unassigned
For: CHROMOSOME-SPECIFIC)
STAINING TO DETECT)
GENETIC REARRANGEMENTS)

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of \$210.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e), a petition requesting consideration of the information disclosure statement, and the petition fee of \$130.00 as set forth in 37 C.F.R. § 1.17(i) are also enclosed.
- Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of \$_____ is enclosed for the fee due.

DOCKETED
filed 2/22/95

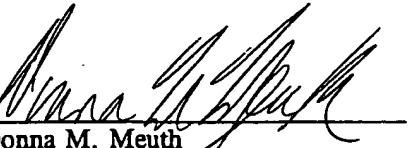
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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

By: 

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Date: February 22, 1995

Patent
Attorney's Docket No. 028723-016

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In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56,
Applicants hereby submit the following information in conformance with 37 C.F.R.
§§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited
was cited by Applicants or the Examiner in Application No. 07/627,707 upon which is
based a claim for priority under 35 U.S.C. §1.20.

U.S. Patents

4,358,535	4,647,529
4,681,840	4,683,195
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4,721,669	4,725,536
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filed 2/22/95 (11/94)

Foreign Patents

2019408	2215724
8705027	9005789

Publications

Albertson, "Mapping Muscle Protein Genes by *in situ* Hybridization Using Biotin-Labeled Probes", EMBO J., Vol. 4, No. 10, 1985, pp. 2493-2498.

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Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rRNA and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948.

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Page 3

Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178.

Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistry, Freeman & Co., 1980, pp. 1183 and 1226-1228.

Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595.

Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984).

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Cremer et al., "Rapid Interphase and Metaphase Assessment of Specific Chromosomal Changes in Neuroectodermal Tumor Cells by *in situ* Hybridization with Chemically Modified DNA Probes", Exp. Cell Res., Vol. 176, 1988, pp. 199-220.

Cremer et al., "Rapid Metaphase and Interphase Detection of Radiation-Induced Chromosome Aberrations in Human Lymphocytes by Chromosomal Suppression *in situ* Hybridization", Cytometry, Vol. 11, 1990, pp. 110-118.

Devilee et al., "Detection of Chromosome Aneuploidy in Interphase Nuclei from Human Primary Breast Tumors Using Chromosome-Specific Repetitive DNA Probes", Cancer Res., Vol. 48, Oct. 1988, pp. 5825-5830.

Durnam et al., "Detection of Species Specific Chromosomes in Somatic Cell Hybrids", Som. Cell Molec. Genetics, Vol. 11, No. 6, 1985, pp. 571-577.

Erikson et al., "Heterogeneity of Chromosome 22 Breakpoint in Philadelphia-Positive (Ph⁺) Acute Lymphocytic Leukemia", PNAS USA, Vol. 83, March 1986, pp. 1807-1811.

Information Disclosure Statement
Page 4

Fisher et al., "Adhesive and Degradative Properties of Human Placental Cytotrophoblast Cells In Vitro," J. Cell Biol., Vol. 109, No. 2, 1989, pp. 891-902.

Fisher et al., "Molecular Hybridization Under Conditions of High Stringency Permits Cloned DNA Segments Containing Reiterated DNA Sequences to be Assigned to Specific Chromosomal Locations," PNAS, USA, Vol. 81, pp. 520-524 (Jan. 1984).

Friend et al., "A Human DNA Segment with Properties of the Gene that Predisposes to Retinoblastoma and Osteosarcoma," Nature, Vol. 323, Oct. 16, 1986, pp. 643-646.

Fuscoe et al., "An Efficient Method for Selecting Unique-Sequence Clones from DNA Libraries and Its Application to Fluorescent Staining of Human Chromosome 21 Using *in situ* Hybridization", Genomics, Vol. 5, 1989, pp. 100-109.

Gall et al., "Formation and Detection of RNA-DNA Hybrid Molecules in Cytological Preparations", PNAS (USA), Vol. 63, 1969, pp. 378-383.

Gray et al., "Flow Cytometric Detection of Chromosome Aberrations" (Abstract) Conference on Flow Cytometry in Cell Biology and Genetics, Clift Hotel, San Francisco, California, 1/15/85 - 1/17/85.

Gray et al., "Fluorescence Hybridization to Human Chromosome 21 Using Probes from a Charon 21 a Library", Cytometry, (Suppl. 1), 1987, Abst. 19, p. 4.

Grunstein et al., "Colony Hybridization: A Method for the Isolation of Cloned DNAs that Contain a Specific Gene", PNAS, USA, Vol. 72, No. 10, Oct. 1975, pp. 3961-3965.

Harper et al., "Localization of Single Copy DNA Sequences on G-Banded Human Chromosomes by *in situ* Hybridization", Chromosoma (Berl.), Vol. 83, 1981, pp. 431-439.

Harper et al., "Localization of the Human Insulin Gene to the Distal End of the Short Arm of Chromosome 11", PNAS (USA), Vol. 78, No. 7, July 1981, pp. 4458-4460.

Herzenberg et al., "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting", PNAS (USA), Vol. 76, No. 3, March 1979, pp. 1453-1455.

Hood et al., Molecular Biology of Eucaryotic Cells, W. A. Benjamin, Inc., Menlo Park, CA, pgs. 47-51 (1975).

Jabs et al., "Characterization of a Cloned DNA Sequence that is Present at Centromeres of All Human Autosomes and the X Chromosome and Shows Polymorphic Variation", PNAS (USA), Vol. 81, Aug. 1984, pp. 4884-4888.

John et al., "RNA-DNA Hybrids at the Cytological Level", NATURE, Vol. 223, Aug. 1969, pp. 582-587.

Kao et al., "Assignment of the Structural Gene Coding for Albumin to Human Chromosome 4", Human Genetics, Vol. 62, 1982, pp. 337-341.

Kievits et al., "Direct Nonradioactive *in situ* Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109.

Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive *in situ* Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370.

Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic *in situ* Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177.

Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72.

Landegren et al., "DNA Diagnostics -- Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237.

Langer-Safer et al., "Immunological Method for Mapping Genes on *Drosophila* Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385.

Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping *in situ*: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61.

LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274.

Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167.

Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by *in situ* Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234.

Information Disclosure Statement
Page 6

Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by *in situ* Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668.

Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by *in situ* Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69.

Litcher et al., "Is Non-Isotopic *in situ* Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94.

Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS USA, Vol. 82, Sept. 1985, pp. 6206-6210.

LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85.

LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83.

Lucas et al., "Rapid Translocation Analysis Using Fluorescence *in situ* Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.

Manuelidis, "Individual Interphase Chromosome Domains Revealed by *in situ* Hybridization", Hum. Genet., Vol. 71, 1985, pp. 288-293.

Manuelidis et al., "Chromosomal and Nuclear Distribution of the HindIII 1.9-kb Human DNA Repeat Segment", Chromosoma (Berl.), Vol. 91, 1984, pp. 28-38.

Manuelidis, "Different Central Nervous System Cell Types Display Distinct and Nonrandom Arrangements of Satellite DNA Sequences", PNAS (USA), Vol. 81, May 1984, pp. 3123-3127.

McCormick, "The Polymerase Chain Reaction and Cancer Diagnosis", Cancer Cells, Vol. 1, No. 2, Oct. 1989, pp. 56-61.

Montgomery et al., "Specific DNA Sequence Amplification in Human Neuroblastoma Cells", PNAS USA, Vol. 80, Sept. 1983, pp. 5724-5728.

Nederlof et al., "Detection of Chromosome Aberrations in Interphase Tumor Nuclei by Nonradioactive *in situ* Hybridization", Cancer Genet. Cytogenet., Vol. 42, 1989, pp. 87-98.

Olsen et al., "Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid", Biochemistry, Vol. 19, 1980, pp. 2419-2428.

Pinkel et al., "Detection of Structural Chromosome Aberrations in Metaphase Spreads and Interphase Nuclei by *in situ* Hybridization High Complexity Probes which Stain Entire Human Chromosomes", Am. J. Hum. Genet. (Supplement) Vol. 43, No. 3, Sept. 1988, p. A118 (Abstract 0471: 11.5).

Pinkel et al., "Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization", PNAS (USA), Vol. 83, May 1986, pp. 2934-2938.

Pinkel et al., Cytogenetic Analysis by *in situ* Hybridization with Fluorescently Labeled Nucleic Acid Probes", Cold Spring Harbor Symposia on Quantitative Biology, Vol. LI, 1986, pp. 151-157.

Pinkel et al., "Genetic Analysis by Quantitative Microscopy and Flow Cytometry Using Fluorescence *in situ* Hybridization with Chromosome-Specific Nucleic Acid Probes", Am. J. Hum. Genet. (Supplement), Vol. 39, No. 3, Sept. 1986, p. A129 (379).

Pinkel et al., "Cytogenetic Analysis During Leukemia Therapy Using Fluorescence *in situ* Hybridization with Chromosome-Specific Nucleic Acid Probes", Am. J. Hum. Genet. (Supplement), Vol. 41, No. 3, Sept. 1987, p. A34 (096; 12.12).

Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy", Am. J. Hum. Genet. (Supplement), Vol. 37, No. 4, July 1985, pp. A112 (328; 17.2).

Pinkel et al., "Fluorescence *in situ* Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosomes 4", PNAS (USA), Vol. 85, Dec. 1988, pp. 9138-9142.

Pinkel et al., "Cytogenetics Using Fluorescent Nucleic Acid Probes and Quantitative Microscopic Measurement" (UCRL 93269 Abstract) Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85.

Pinkel et al., "Rapid Quantitative Cytogenetic Analysis Using Fluorescently Labeled Nucleic Acid Probes", (UCRL 93553 Abstract), U.S. - Japan Joint Environmental Panel Conf., Research Triangle Park, N.C., 10/21/85 - 10/23/85.

Pinkel et al., "Detection of Structural and Numerical Abnormalities in Metaphase Spreads and Interphase Nuclei Using *in situ* Hybridization", Cancer Genet. and Cytogenet. (UCRL 101043 Abstract) 41:236 (October 1989).

Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy" (UCRL 93243 Abstract), American Journal of Human Genetics (Supplement), 37:A112, July 1985.

Information Disclosure Statement
Page 8

Pinkel et al., "Detection of Translocations and Aneuploidy in Metaphase Spreads and Interphase Nuclei by *in situ* Hybridization with Probes which Stain Entire Human Chromosomes" (UCRL 101042 Abstract) 21st Oak Ridge Conference on Advanced Concepts in the Clinical Laboratory, 4/13/89 - 4/14/89.

Rappold et al., "Sex Chromosome Positions in Human Interphase Nuclei as Studied by *in situ* Hybridization with Chromosome Specific DNA Probes", Human Genetics, Vol. 67, 1984, pp. 317-322.

Roelofs et al., "Gene Amplification in Human Cells May Involve Interchromosomal Transposition and Persistence of the Original DNA Region", The New Biologist, Vol. 4, No. 1, Jan. 1992, pp. 75-86.

Scalenghe et al., "Microdissection and Cloning of DNA from a Specific Region of *Drosophila melanogaster* Polytene Chromosomes", Chromosoma (Berl.), Vol. 82, 1981, pp. 205-216.

Schardin et al., "Specific Staining of Human Chromosomes in Chinese Hamster X Man Hybrid Cell Lines Demonstrates Interphase Chromosome Territories", Hum. Genet., Vol. 71, 1985, pp. 281-287.

Schmeckpeper et al., "Partial Purification and Characterization of DNA from the Human X Chromosome", PNAS (USA), Vol. 76, No. 12, Dec. 1979, pp. 6525-6528.

Selypes et al., "A Noninvasive Method for Determination of the Sex and Karyotype of the Fetus from the Maternal Blood", Hum. Genet., Vol. 79, 1988, pp. 357-359.

Smith et al., "Distinctive Chromosomal Structures Are Formed Very Early in the Amplification of CAD Genes in Syrian Hamster Cells", Cell, Vol. 63, Dec. 1990, pp. 1219-1227.

Sparkes et al., "Regional Assignment of Genes for Human Esterase D and Retinoblastoma to Chromosome Band 13q14," Science, Vol. 208, May 30, 1988, pp. 1042-1044.

Stewart et al., "Cloned DNA Probes Regionally Mapped to Human Chromosome 21 and Their Use in Determining the Origin of Nondisjunction", Nucleic Acids Research, Vol. 13, No. 11, 1985, pp. 4125-4132.

Straume et al., "Chromosome Translocation of Low Radiation Doses Quantified Using Fluorescent DNA Probes" (UCRL 93837 Abstract), Radiation Research Society Meeting, Las Vegas, Nevada, 4/12/86 - 4/17/86.

Information Disclosure Statement
Page 9

Szabo et al., "What's New with Hybridization *in situ?*", TIBS, Vol. 7, No. 11, December 1982, pp. 425-427.

Thompson et al., Thompson & Thompson: Genetics in Medicine, 5th ed., W.B. Saunders Co., Philadelphia, PA, pages 38-39 (1991).

Trask et al., "The Proximity of DNA Sequences in Interphase Cell Nuclei is Correlated to Genomic Distance and Permits Ordering of Cosmids Spanning 250 Kilobase Pairs", Genomics, Vol. 5, 1989, pp. 710-717.

Trask et al., "Detection of DNA Sequences in Nuclei in Suspension by *in situ* Hybridization and Dual Beam Flow Cytometry" (UCRL 93372 Abstract) - Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85.

Trask et al., "Early Dihydrofolate Reductase Gene Amplification Events in CHO Cells Usually Occur on the Same Chromosome Arm as the Original Locus", Genes & Development, Vol. 3, 1989, pp. 1913-1925.

Trent et al., "Report of the Committee on Structural Chromosome Changes in Neoplasia," Cytogenet. Cell Genet., Vol. 51, 1989, pp. 533-562.

Van Dilla et al., "Construction and Availability of Human Chromosome-Specific DNA Libraries from Flow Sorted Chromosomes: Status Report", Am. J. of Hum. Genet., Vol. 37 (R Supplement) July 1985, p. A179.

Wallace et al., "The Use of Synthetic Oligonucleotides as Hybridization Probes - II Hybridization of Oligonucleotides of Mixed Sequence to Rabbit β Globin DNA", Nucleic Acids Research, Vol. 9, No. 4, 1981, pp. 879-894.

Weiss et al., "Organization and Evolution of the Class I Gene Family in the Major Histocompatibility Complex of the C57BL/10 Mouse," Nature, Vol. 310, No. 23, Aug. 1984, pp. 650-655.

Willard et al., "Isolation and Characterization of a Major Tandem Repeat Family from the Human X Chromosome", Nucleic Acids Research, Vol. 11, No. 7, 1983, pp. 2017-2033.

Windle et al., "A Central Role for Chromosome Breakage in Gene Amplification, Deletion Formation and Amplificon Integration", Genes & Development, Vol. 5, 1991, pp. 160-174.

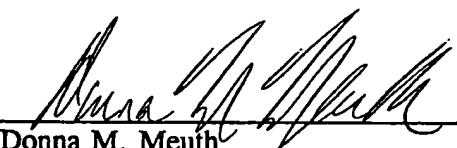
This information is being submitted within three months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

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To assist the Examiner, the documents are listed on the attached form PTO-1449.
It is respectfully requested that an Examiner initialled copy of this form be returned to the
undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

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		FILING DATE 11/16/94	GROUP 1807

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,358,535	11/82	Falkow et al.			
	4,647,529	3/87	Rodland et al.			
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	4,721,669	1/88	Barton			
	4,725,536	2/89	Fritsch et al.			
	4,770,992	9/88	Van den Engh et al.			
	4,772,691	9/88	Herman			
	4,888,278	12/89	Singer et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	2019408	10/79	United Kingdom				
	2215724	9/89	United Kingdom				
	8705027	8/87	Europe				
	9005789	5/90	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Albertson, "Mapping Muscle Protein Genes by <i>in situ</i> Hybridization Using Biotin-Labeled Probes", <u>EMBO J.</u> , Vol. 4, No. 10, 1985, pp. 2493-2498.
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	Arnoldus et al., "Detection of the Philadelphia Chromosome in Interphase Nuclei (With 2 Color Plates)," <u>Cytogenet. Cell Genet.</u> , Vol. 54, 1990, pp. 108-111.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DUANE
filed 2/22/92

INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 028723-016	APPLICATION NO. 08/054,353		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
<p>Bar-Am et al., "Detection of Amplified DNA Sequences in Human Tumor Cell Lines by Fluorescence <i>in situ</i> Hybridization", <u>Genes, Chromosomes & Cancer</u>, Vol. 4, 1992, pp. 314-320.</p>					
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<p>Cremer et al., "Detection of Chromosome Aberrations in Metaphase and Interphase Tumor Cells by <i>in situ</i> Hybridization Using Chromosome-Specific Library Probes", <u>Human Genetics</u>, Vol. 80, 1988, pp. 235-246.</p>					
<p>Cremer et al., "Detection of Chromosome Aberrations in the Human Interphase Nucleus by Visualization of Specific Target DNAs with Radioactive and Non-Radioactive <i>in situ</i> Hybridization Techniques: Diagnosis of Trisomy 18 with Probe L1.84", <u>Hum. Genet.</u>, Vol. 74, 1986, pp. 346-352.</p>					
<p>Cremer et al., "Rapid Interphase and Metaphase Assessment of Specific Chromosomal Changes in Neuroectodermal Tumor Cells by <i>in situ</i> Hybridization with Chemically Modified DNA Probes", <u>Exp. Cell Res.</u>, Vol. 176, 1988, pp. 199-220.</p>					
<p>Cremer et al., "Rapid Metaphase and Interphase Detection of Radiation-Induced Chromosome Aberrations in Human Lymphocytes by Chromosomal Suppression <i>in situ</i> Hybridization", <u>Cytometry</u>, Vol. 11, 1990, pp. 110-118.</p>					
EXAMINER	DATE CONSIDERED				

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		APPLICANT Joe W. GRAY et al	
		FILING DATE 11/16/94	GROUP 1807
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
Devilee et al., "Detection of Chromosome Aneuploidy in Interphase Nuclei from Human Primary Breast Tumors Using Chromosome-Specific Repetitive DNA Probes", <u>Cancer Res.</u> , Vol. 48, Oct. 1988, pp. 5825-5830.			
Durnam et al., "Detection of Species Specific Chromosomes in Somatic Cell Hybrids", <u>Som. Cell Molec. Genetics</u> , Vol. 11, No. 6, 1985, pp. 571-577.			
Erikson et al., "Heterogeneity of Chromosome 22 Breakpoint in Philadelphia-Positive (Ph ⁺) Acute Lymphocytic Leukemia", <u>PNAS, USA</u> , Vol. 83, March 1986, pp. 1807-1811.			
Fisher et al., "Adhesive and Degradative Properties of Human Placental Cytotrophoblast Cells In Vitro," <u>J. Cell Biol.</u> , Vol. 109, No. 2, 1989, pp. 891-902.			
Fisher et al., "Molecular Hybridization Under Conditions of High Stringency Permits Cloned DNA Segments Containing Reiterated DNA Sequences to be Assigned to Specific Chromosomal Locations," <u>PNAS, USA</u> , Vol. 81, pp. 520-524 (Jan. 1984).			
Friend et al., "A Human DNA Segment with Properties of the Gene that Predisposes to Retinoblastoma and Osteosarcoma," <u>Nature</u> , Vol. 323, Oct. 16, 1986, pp. 643-646.			
Fuscoe et al., "An Efficient Method for Selecting Unique-Sequence Clones from DNA Libraries and Its Application to Fluorescent Staining of Human Chromosome 21 Using <i>in situ</i> Hybridization", <u>Genomics</u> , Vol. 5, 1989, pp. 100-109.			
Gall et al., "Formation and Detection of RNA-DNA Hybrid Molecules in Cytological Preparations", <u>PNAS (USA)</u> , Vol. 63, 1969, pp. 378-383.			
Gray et al., "Flow Cytometric Detection of Chromosome Aberrations" (Abstract) Conference on Flow Cytometry in Cell Biology and Genetics, Clift Hotel, San Francisco, California, 1/15/85 - 1/17/85.			
Gray et al., "Fluorescence Hybridization to Human Chromosome 21 Using Probes from a Charon 21 a Library", <u>Cytometry</u> , (Suppl. 1), 1987, Abst. 19, p. 4.			
Grunstein et al., "Colony Hybridization: A Method for the Isolation of Cloned DNAs that Contain a Specific Gene", <u>PNAS, USA</u> , Vol. 72, No. 10, Oct. 1975, pp. 3961-3965.			
Harper et al., "Localization of Single Copy DNA Sequences on G-Banded Human Chromosomes by <i>in situ</i> Hybridization", <u>Chromosoma (Berl.)</u> , Vol. 83, 1981, pp. 431-439.			
Harper et al., "Localization of the Human Insulin Gene to the Distal End of the Short Arm of Chromosome 11", <u>PNAS (USA)</u> , Vol. 78, No. 7, July 1981, pp. 4458-4460.			
Herzenberg et al., "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting", <u>PNAS (USA)</u> , Vol. 76, No. 3, March 1979, pp. 1453-1455.			
Hood et al., <u>Molecular Biology of Eucaryotic Cells</u> , W. A. Benjamin, Inc., Menlo Park, CA, 1975, pp. 47-51.			
Jabs et al., "Characterization of a Cloned DNA Sequence that is Present at Centromeres of All Human Autosomes and the X Chromosome and Shows Polymorphic Variation", <u>PNAS (USA)</u> , Vol. 81, Aug. 1984, pp. 4884-4888.			
John et al., "RNA-DNA Hybrids at the Cytological Level", <u>NATURE</u> , Vol. 223, Aug. 1969, pp. 582-587.			
EXAMINER	DATE CONSIDERED		

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Kao et al., "Assignment of the Structural Gene Coding for Albumin to Human Chromosome 4", <u>Human Genetics</u> , Vol. 62, 1982, pp. 337-341.			
Kievits et al., "Direct Nonradioactive <i>in situ</i> Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", <u>Cytometry</u> , Vol. 11, 1990, pp. 105-109.			
Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive <i>in situ</i> Hybridization", <u>Hum. Genet.</u> , Vol. 77, 1987, pp. 366-370.			
Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic <i>in situ</i> Hybridization", <u>Nature</u> , Vol. 317, Sept. 1985, pp. 175-177.			
Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", <u>Exp. Cell Res.</u> , Vol. 153, 1984, pp. 61-72.			
Landegren et al., "DNA Diagnostics -- Molecular Techniques and Automation," <u>Science</u> , Vol. 242, Oct. 1988, pp. 229-237.			
Langer-Safer et al., "Immunological Method for Mapping Genes on <i>Drosophila</i> Polytene Chromosomes", <u>PNAS (USA)</u> , Vol. 79, 1982, pp. 4381-4385.			
Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping <i>in situ</i> : Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", <u>Cell</u> , Vol. 52, Jan. 1988, pp. 51-61.			
LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", <u>CRC Crit. Rev. Clin. Lab. Sci.</u> , Vol. 25, No. 4, 1987, pp. 255-274.			
Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", <u>Science</u> , Vol. 221, No. 4616, Sept. 1983, p. 1167.			
Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by <i>in situ</i> Suppression Hybridization Using Recombinant DNA Libraries", <u>Human Genet.</u> , Vol. 80, 1988, pp. 224-234.			
Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by <i>in situ</i> Hybridization", <u>PNAS USA</u> , Vol. 85, Dec. 1988, pp. 9664-9668.			
Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by <i>in situ</i> Hybridization with Cosmid Clones", <u>Science</u> , Vol. 247, Jan. 1990, pp. 64-69.			
Litcher et al., "Is Non-Isotopic <i>in situ</i> Hybridization Finally Coming of Age?", <u>Nature</u> , Vol. 345, May 1990, pp. 93-94.			
Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," <u>PNAS, USA</u> , Vol. 82, Sept. 1985, pp. 6206-6210.			
LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," <u>Energy & Tech. Review</u> , July 1985, pp. 84-85.			
LLNL, "Chromosome-Specific Human Gene Libraries", <u>Energy & Tech. Review</u> , July 1985, pp. 82-83.			
Lucas et al., "Rapid Translocation Analysis Using Fluorescence <i>in situ</i> Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
Manuelidis, "Individual Interphase Chromosome Domains Revealed by <i>in situ</i> Hybridization", <u>Hum. Genet.</u> , Vol. 71, 1985, pp. 288-293.			
Manuelidis et al., "Chromosomal and Nuclear Distribution of the HindIII 1.9-kb Human DNA Repeat Segment", <u>Chromosoma (Berl.)</u> , Vol. 91, 1984, pp. 28-38.			
Manuelidis, "Different Central Nervous System Cell Types Display Distinct and Nonrandom Arrangements of Satellite DNA Sequences", <u>PNAS (USA)</u> , Vol. 81, May 1984, pp. 3123-3127.			
McCormick, "The Polymerase Chain Reaction and Cancer Diagnosis", <u>Cancer Cells</u> , Vol. 1, No. 2, Oct. 1989, pp. 56-61.			
Montgomery et al. "Specific DNA Sequence Amplification in Human Neuroblastoma Cells", <u>PNAS USA</u> , Vol. 80, Sept. 1983, pp. 5724-5728.			
Nederlof et al., "Detection of Chromosome Aberrations in Interphase Tumor Nuclei by Nonradioactive <i>in situ</i> Hybridization", <u>Cancer Genet. Cytogenet.</u> , Vol. 42, 1989, pp. 87-98.			
Olsen et al., "Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid", <u>Biochemistry</u> , Vol. 19, 1980, pp. 2419-2428.			
Pinkel et al., "Detection of Structural Chromosome Aberrations in Metaphase Spreads and Interphase Nuclei by <i>in situ</i> Hybridization High Complexity Probes which Stain Entire Human Chromosomes", <u>Am. J. Hum. Genet.</u> (Supplement) Vol. 43, No. 3, Sept. 1988, p. A118 (Abstract 0471: 11.5).			
Pinkel et al., "Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization", <u>PNAS (USA)</u> , Vol. 83, May 1986, pp. 2934-2938.			
Pinkel et al., "Cytogenetic Analysis by <i>in situ</i> Hybridization with Fluorescently Labeled Nucleic Acid Probes", <u>Cold Spring Harbor Symposia on Quantitative Biology</u> , Vol. LI, 1986, pp. 151-157.			
Pinkel et al., "Genetic Analysis by Quantitative Microscopy and Flow Cytometry Using Fluorescence <i>in situ</i> Hybridization with Chromosome-Specific Nucleic Acid Probes", <u>Am. J. Hum. Genet.</u> (Supplement), Vol. 39, No. 3, Sept. 1986, p. A129 (379).			
Pinkel et al., "Cytogenetic Analysis During Leukemia Therapy Using Fluorescence <i>in situ</i> Hybridization with Chromosome-Specific Nucleic Acid Probes", <u>Am. J. Hum. Genet.</u> (Supplement), Vol. 41, No. 3, Sept. 1987, p. A34 (096; 12.12).			
Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy", <u>Am. J. Hum. Genet.</u> (Supplement), Vol. 37, No. 4, July 1985, pp. A112 (328; 17.2).			
Pinkel et al., "Fluorescence <i>in situ</i> Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosomes 4", <u>PNAS (USA)</u> , Vol. 85, Dec. 1988, pp. 9138-9142.			
Pinkel et al., "Cytogenetics Using Fluorescent Nucleic Acid Probes and Quantitative Microscopic Measurement" (UCRL 93269 Abstract) Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85.			
Pinkel et al., "Rapid Quantitative Cytogenetic Analysis Using Fluorescently Labeled Nucleic Acid Probes", (UCRL 93553 Abstract), U.S. - Japan Joint Environmental Panel Conf., Research Triangle Park, N.C., 10/21/85 - 10/23/85.			
EXAMINER	DATE CONSIDERED		

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Pinkel et al., "Detection of Structural and Numerical Abnormalities in Metaphase Spreads and Interphase Nuclei Using <i>in situ</i> Hybridization", <u>Cancer Genet. and Cytogenet.</u> (UCRL 101043 Abstract) 41:236 (October 1989).			
Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy" (UCRL 93243 Abstract), <u>American Journal of Human Genetics</u> (Supplement), 37:A112, July 1985.			
Pinkel et al., "Detection of Translocations and Aneuploidy in Metaphase Spreads and Interphase Nuclei by <i>in situ</i> Hybridization with Probes which Stain Entire Human Chromosomes" (UCRL 101042 Abstract) 21st Oak Ridge Conference on Advanced Concepts in the Clinical Laboratory, 4/13/89 - 4/14/89.			
Rappold et al., "Sex Chromosome Positions in Human Interphase Nuclei as Studied by <i>in situ</i> Hybridization with Chromosome Specific DNA Probes", <u>Human Genetics</u> , Vol. 67, 1984, pp. 317-322.			
Roelofs et al., "Gene Amplification in Human Cells May Involve Interchromosomal Transposition and Persistence of the Original DNA Region", <u>The New Biologist</u> , Vol. 4, No. 1, Jan. 1992, pp. 75-86.			
Scalenghe et al., "Microdissection and Cloning of DNA from a Specific Region of <i>Drosophila melanogaster</i> Polytene Chromosomes", <u>Chromosoma (Berl.)</u> , Vol. 82, 1981, pp. 205-216.			
Schardin et al., "Specific Staining of Human Chromosomes in Chinese Hamster X Man Hybrid Cell Lines Demonstrates Interphase Chromosome Territories", <u>Hum. Genet.</u> , Vol. 71, 1985, pp. 281-287.			
Schmeckpeper et al., "Partial Purification and Characterization of DNA from the Human X Chromosome", <u>PNAS (USA)</u> , Vol. 76, No. 12, Dec. 1979, pp. 6525-6528.			
Selypes et al., "A Noninvasive Method for Determination of the Sex and Karyotype of the Fetus from the Maternal Blood", <u>Hum. Genet.</u> , Vol. 79, 1988, pp. 357-359.			
Smith et al., "Distinctive Chromosomal Structures Are Formed Very Early in the Amplification of CAD Genes in Syrian Hamster Cells", <u>Cell</u> , Vol. 63, Dec. 1990, pp. 1219-1227.			
Sparkes et al., "Regional Assignment of Genes for Human Esterase D and Retinoblastoma to Chromosome Band 13q14," <u>Science</u> , Vol. 208, May 30, 1988, pp. 1042-1044.			
Stewart et al., "Cloned DNA Probes Regionally Mapped to Human Chromosome 21 and Their Use in Determining the Origin of Nondisjunction", <u>Nucleic Acids Research</u> , Vol. 13, No. 11, 1985, pp. 4125-4132.			
Straume et al., "Chromosome Translocation of Low Radiation Doses Quantified Using Fluorescent DNA Probes" (UCRL 93837 Abstract), Radiation Research Society Meeting, Las Vegas, Nevada, 4/12/86 - 4/17/86.			
Szabo et al., "What's New with Hybridization <i>in situ</i> ?", <u>TIBS</u> , Vol. 7, No. 11, December 1982, pp. 425-427.			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
Thompson et al., <u>Thompson & Thompson: Genetics in Medicine</u> , 5th ed., W.B. Saunders Co., Philadelphia, PA, pages 38-39 (1991).			
Trask et al., "The Proximity of DNA Sequences in Interphase Cell Nuclei is Correlated to Genomic Distance and Permits Ordering of Cosmids Spanning 250 Kilobase Pairs", <u>Genomics</u> , Vol. 5, 1989, pp. 710-717.			
Trask et al., "Detection of DNA Sequences in Nuclei in Suspension by <i>in situ</i> Hybridization and Dual Beam Flow Cytometry" (UCRL 93372 Abstract) - Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85.			
Trask et al., "Early Dihydrofolate Reductase Gene Amplification Events in CHO Cells Usually Occur on the Same Chromosome Arm as the Original Locus", <u>Genes & Development</u> , Vol. 3, 1989, pp. 1913-1925.			
Trent et al., "Report of the Committee on Structural Chromosome Changes in Neoplasia," <u>Cytogenet. Cell Genet.</u> , Vol. 51, 1989, pp. 533-562.			
Van Dilla et al., "Construction and Availability of Human Chromosome-Specific DNA Libraries from Flow Sorted Chromosomes: Status Report", <u>Am. J. of Hum. Genet.</u> , Vol. 37 (R Supplement) July 1985, p. A179.			
Wallace et al., "The Use of Synthetic Oligonucleotides as Hybridization Probes - II Hybridization of Oligonucleotides of Mixed Sequence to Rabbit β Globin DNA", <u>Nucleic Acids Research</u> , Vol. 9, No. 4, 1981, pp. 879-894.			
Weiss et al., "Organization and Evolution of the Class I Gene Family in the Major Histocompatibility Complex of the C57BL/10 Mouse," <u>Nature</u> , Vol. 310, No. 23, Aug. 1984, pp. 650-655.			
Willard et al., "Isolation and Characterization of a Major Tandem Repeat Family from the Human X Chromosome", <u>Nucleic Acids Research</u> , Vol. 11, No. 7, 1983, pp. 2017-2033.			
Windle et al., "A Central Role for Chromosome Breakage in Gene Amplification, Deletion Formation and Amplifcon Integration", <u>Genes & Development</u> , Vol. 5, 1991, pp. 160-174.			
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